

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
19 May 2005 (19.05.2005)

PCT

(10) International Publication Number
WO 2005/046088 A1

(51) International Patent Classification⁷: H04B 7/26

(21) International Application Number:
PCT/KR2004/002857

(22) International Filing Date:
5 November 2004 (05.11.2004)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
10-2003-0078066
5 November 2003 (05.11.2003) KR

(71) Applicant (for all designated States except US): SK TELECOM CO., LTD. [KR/KR]; 99, Seorin-dong, Jongro-gu, Seoul, 110-110 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): CHOI, Jintae

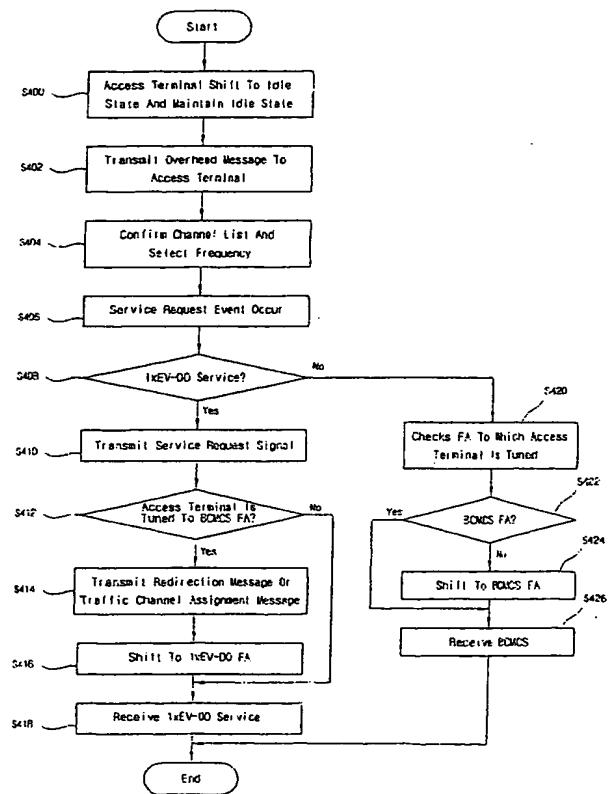
[KR/KR]; 54-226, Heukseok 3-dong, Dongjak-gu, Seoul, 156-859 (KR). LEE, Jaemoon [KR/KR]; 247-104, Jugong2-danji, Jamsil-dong, Songpa-gu, Seoul, 138-912 (KR). KIM, Namgyu [KR/KR]; 101-1308, Hyosungchungsol Apt., Sam-dong (Bugok-dong), Uiwang-si, Gyeonggi-do, 437-724 (KR). KIM, Beyongsu [KR/KR]; 102-601, Bukhankangsungwon Apt., 422, Ichon-dong, Yongsan-gu, Seoul, 140-031 (KR). JEON, Sangchoon [KR/KR]; 302, Dongsung Villa, 107-44, Junggok 4-dong, Gwangjin-gu, Seoul, 143-889 (KR).

(74) Agents: LEE, Chulhee et al.; 14F, Hyundai Marine & Fire Insurance, Bldg., 646, Yeoksam-dong, Gangnam-gu, Seoul, 135-080 (KR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,

[Continued on next page]

(54) Title: METHOD AND TELECOMMUNICATION SYSTEM FOR APPOINTING FREQUENCY ASSIGNMENT MODE AND/OR BROADCAST/MULTICAST SERVICE ASSIGNMENT RATIO FOR PROVIDING BROADCAST/MULTICAST SERVICE



(57) Abstract: A method and a telecommunication system for appointing a frequency assignment mode and ratio for providing a broadcast/multicast service are disclosed. The system includes at least one access terminal (AT) for receiving a 1xEV-DO service or the BCMCS through a 1xEV-DO system, a base station manager (BSM) for receiving BCMCS control information containing the FA mode and/or the BCMCS assignment ratio and transmitting the received BCMCS control information to a 1xEV-DO access network controller (ANC), and an access network including a 1xEV-DO access network transceiver subsystem (ANTS) and the 1xEV-DO access network controller for temporarily storing the received BCMCS control information and controlling a sort and/or a ratio of a message, which is transmitted to each access terminal, according to the FA mode and/or the BCMCS assignment ratio contained in the BCMCS control information.

WO 2005/046088 A1